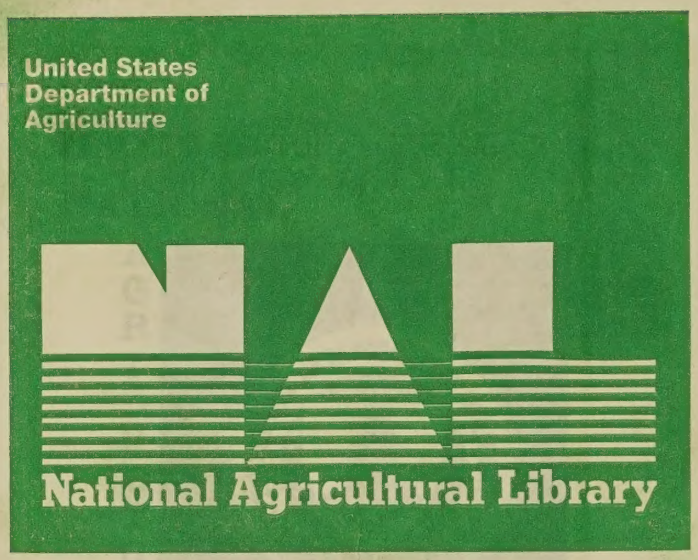


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Paracopium glabricorne on Clerodendrum schweinfurthii in Tanganyika.

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Eremocoris fenestratus, E. abietis, and E. plebejus.

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Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

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O. Rigitano, A. M. B. Carvallho, and J. A. G. Netto, joint authors.
English summary.

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14425 DOMROW, R. The genus Walchiella (Acarina, Trombiculidae). Linn. Soc. N. S. Wales. Proc. 87(2):105-115. 1962. 514 Sy2
Includes n. sp.

14426 DZHAPARIDZE, N. I. Fauna of the hard-backed mites of Georgia (Acari, Oribatei). (Geo) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 31(2):413-419. Aug.1963. 511 Ak146
Russian summary.

14427 EFFORD, I. E. The parasitic ecology of some watermites. J. Anim. Ecol. 32(1):141-156. Ref. Feb.1963. 410 J826
Parasites of Chironomidae.

14428 FAIN, A. Les acariens nasicoles des oiseaux de Belgique. II. Description de deux especes nouvelles [The nasal mites of birds of Belgium. II. Description of two new species]. Soc. Roy. d'Ent. de Belg. B. & Ann. 99(12):168-181. May 1963. 420 B41
Includes Rallinyssus verheyeni and Boydaia loxiae n. spp.

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14431 FAIN, A. Les acariens psoriques parasites des chauves-souris. XXVI. Nouvelles especes des genres Nycteridocoptes et Notoedres (Sarcoptidae: Sarcoptiformes) [The parasitic itch mites of bats. XXVI. New species of the genera Nycteridocoptes and Notoedres (Sarcoptidae: Sarcoptiformes)]. Soc. Roy. d'Ent. de Belg. B. & Ann. 99(17):249-259. July 1963. 420 B41
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English summary.
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14438 GONZALEZ-RODRIGUEZ, R. H. Four new mites of the genus Agistemus Summers, 1960 (Acarina: Stigmaeidae). Acarologia 5(3):342-350. July 1963. 434.8 Ac1

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Includes Garyops pumila n. sp. and Idiogaryops n. g.

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Tetranychus cinnabarinus.

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14457 LAGUTENKO, YU. P. Functional-histological features common to the gonotrophic cycle of Dermanyssus gallinae (Gamasoidea, Dermanyssidae). (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(3):313-319. Ref. May/June 1963. 448.8 M469
English summary.

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English summary.
Includes Urodinychus zocchii n. sp. and transfer of Vasates ambrosii to Aculus.

4459 LOOMIS, R. B., and CROSSLEY, D. A. New species and new records of chiggers (Acarina: Trombiculidae) from Texas. Acarologia 5(3): 371-383. Ref. July 1963. 434.8 Ac1
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Effects of temperature and humidity.

14469 MURAKAMI, Y. Postembryonic development of the common Myriapoda of Japan. XIII. Life history of Bazillozonium nodulosum Verhoeff (Colobognatha, Platydesmidae). 3. (Ja) Zool. Soc. Japan. Zool. Mag. 72(2):40-47. Feb.1963. 410.9 T57
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Includes Eulabidocarpus flexipes, E. rectipes, and Olabidocarpus aitkeni n. spp.

14472 ROLFE, W. D. I. Eoscorpius inflatus Peach, 1882 (Arachnida): proposed suppression under the plenary powers. Z. N. (S.) 1588. B. Zool. Nomencl. 20(5):388-389. Oct.21,1963. 410 B874

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Tongodesmus stilifer n. g., n. sp., and Pacificosoma yaldwini n. g., n. sp.

14475 SOLOSHENKO, I. Z., and KORENBERG, E. I. Biology of the mite Haemogamasus liponyssoides Ewing. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(2):208-209. Mar./Apr.1963. 448.8 M469
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Pedrocortesella africana and P. parva n. spp.

14483 VERCAMMEN-GRANDJEAN, P. H. Euschoengastia costulata Willmann 1952, is a Cheladonta s. str. and Cheladonta styriaca Kepka 1957 is a synonym of Cheladonta costulata (Acarina, Trombiculidae). (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 96(5/8):101-107. 1960. 420 B41

14484 VERCAMMEN-GRANDJEAN, P. H. Euschoengastia terrestris Gould 1956 is a true Schoutedenichia (Tombiculidae Acarina). (Fr) Acarologia 5(3):394-396. July 1963. 434.8 Ac1

14485 VERCAMMEN-GRANDJEAN, P. H., and NADCHATRAM, M. The genus Trombicula and its subgenera (Trombiculidae Acarina). (Fr) Acarologia 5(3):384-393. July 1963. 434.8 Ac1
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14486 VYSLOUZIL, L. Armored mites (Oribatei) on a pasture of the foothills of the Giant Mountains. (Cz) Brno. Vysoka Sk. Zemedel. Sborn. Rada B, Spisy Vet. 10(3/4):201-207. Ref. 1962. 105.92 B833
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14489 WINSTON, P. W. Humidity relations in the clover mite, Bryobia praetiosa Koch. Ecology 44(4):669-678. Ref. Autumn 1963. 410 Ec7

14490 WOMERSLEY, H. "Monunguis" Wharton 1938, a valid genus (Acarina, Trombidioidea). So. Austral. Mus. Rec. 14(3):477-485. 1963. 514 So8

14491 WOMERSLEY, H. A new larval Neotrombidium (Acarina, Leeuwenhoekiidae) from bat guano. So. Austral. Mus. Rec. 14(3):473-476. 1963. 514 So8

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New sp. in Brachytremella.

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Coleoptera

14494 BALTHASAR, V. Oniticellini; a new species of Drepanocerus; 113th contribution to the knowledge of the Scarabaeoidea, Col. (Ge) Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 40:131-135. 1963. 460.43 K83Ex
Includes Drepanocerus saegeri n. sp.

14495 BASILEWSKY, P. Contribution to the knowledge of the Lebiinae of Africa (Coleoptera Carabidae). VI. (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 96(11/12):273-283,map. 1960. 420 B41
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14496 BASILEWSKY, P. Notes sur des Cypholobini (Col. Carabidae Anthiinae). II [Notes on the Cypholobini (Col. Carabidae Anthininae). II]. Soc. Roy. d'Ent. de Belg. B. & Ann. 99(10):149-158,map. May 1963. 420 B41
Cypholoba spp.

14497 BASILEWSKY, P. On the genus Macrocheilus Hope (Col. Carabidae Helluoninae). (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 96(3/4):39-51. 1960. 420 B41
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Includes Deserida n. g., Neodrypta n. g., and n. spp. in Drypta and Nesiodrypta.

14499 BECHYNE, J. Notes on some true Chrysomelidae (Coleoptera). (Fr) Soc. Linn. de Lyon. B. Mens. 31(6):182-185. June 1962. 505 L992B
Includes n. spp. in Iscadida.

14500 BECKER, G., and DAMASCHKE, K. Respiration of Hylotrupes bajulus larvae under various conditions. (Ge) Z. f. Angew. Ent. 51(4):323-334. Ref. May 1963. 421 Z36
English summary
Includes effects of activity and temperature.

14501 BHATNAGAR, P. L. Digestive enzymes and hydrogen-ion concentration in the gut of larva of Latheticus oryzae Waterh. (Coleoptera: Tenebrionidae). Indian J. Ent. 24(1):19-26. Mar. 1962. 420 In23

14502 BRYANT, G. E. Galerucinae (Coleoptera Chrysomelidae). Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 40:77-130. 1963. 460.43 K83Ex
Text in French.

14503 CHARPENTIER, R. Heteroceridae (Coleoptera Polyphaga). Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 33: 67-72. 1962. 460.43 K83Ex
Text in English.
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14504 COBOS, A. Eucnemidae and Throscidae (Coleoptera Dascilloidea). (Sp) Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 32:27-45. 1962. 460.43 K83Ex
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14506 CUNNINGHAM, V. D. Factors that influence hatching in Diabrotica longicornis (Say). Diss. Abs. 24(4):1755-1756. Oct.1963. 241.8 M58

14507 DAHLGREN, G. Dasytes subaenea Schn. no Swedish species. (Sw) Ent. Tidskr. 84(1/2): 137. 1963. 421 En891

14508 DAHLGREN, G. Podabrus lapponicus Gyll. and obscuripes J. Sahlb. (Sw) Ent. Tidskr. 84 (1/2):136-137. 1963. 421 En891
Lampyridae.

14509 DALE, P. S. Ecology, life history and redescription of Pericoptus truncatus (Fabricius). Roy. Soc. New Zeal. Trans. Zool. 3(3):17-32. Ref. May 10,1963. 514 T45Tz

14510 DAMOISEAU, R. Brentidae (Coleoptera Phytophagoidea). Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 39:35-50. 1963. 460.43 K83Ex
Text in French.
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14512 DUFFY, E. A. J. A monograph of the immature stages of Australasian timber beetles (Cerambycidae). London, Brit. Mus., 1963. 235 p., map. Ref. 427 D872Mon

14513 ENGLERT, D. C., and BELL, A. E. Genetic differences in the growth curve of Tribolium castaneum. Growth 27(2):87-99. Ref. June 1963. 442.8 G91

14514 ERDMAN, H. E. The differential sensitivity of flour beetles, Tribolium confusum and T. castaneum to X-ray alteration of reproductive abilities, induced dominant lethals, biomass and survival. J. Expt. Zool. 153(2):141-147. Ref. July,1963. 410 J825

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Includes n. spp. in Pseudodellamora, Mordellistena, and Anaspis.

14516 ESPANOL, F. The Iberian Opatrum (Col. Tenebrionidae). (Sp) Eos 38(4):471-483. Ref. Mar.31,1963. 421 Eo7

14517 FAGEL, G. Contribution to the knowledge of the Staphylinidae. LXIV. What is Quedius boops Gravenhorst? (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 96(5/8):108-123. 1960. 420 B41
Includes other Quedius spp.

14518 FAGEL, G. Contribution to the knowledge of the Staphylinidae. LXXII. Revision of African Holosus. (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 96(11/12):263-272. 1960. 420 B41
Includes Holosus reticulatus n. sp.

14519 FAGEL, G. Genus Stilicus Latreille (Coleoptera Polyphaga) fam. Staphylinidae Paederinae. Inst. des Parcs Nationaux du Congo. et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 39:3-33. 1963. 460.43 K83Ex
Text in French.
Includes n. spp.

14520 FAGEL, G. Homonymy. (Fr) Soc. Roy. d'Ent. de Belg. B. & Ann. 99:xxix. May 1963. 420 B41
Aleochara deserticola Fagel 1957 preoccupied by A.deserticola Casey 1906 and A. mrhaierensis nom. nov. is proposed.

14521 FAGEL, G. Pinophilini. I. (Coleoptera Polyphaga) fam. Staphylinidae. Inst. des Parcs Nationaux du Congo et du Ruanda-Urundi. Exploration du Parc Natl. de la Garamba. Mission H. de Saeger 37,325 p. Ref. 1963. 460.43 K83Ex
Text in French.
Includes Pinoragus n. g., Gridellius n. g., and n. spp. in Phinopilus, Pinoritus n. g., Pinophilus, Metapinophilus, Pinocharis n. g., Pinophilinus, and Pinogalus n. g.

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Text in French and English.
Includes n. spp. in Copris and Catharsius.

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Fruit pest.

14524 HODEK, I. Migration of coccinellids to their hibernation quarters. Internatl. Cong. Ent. Trans., 11th Cong.,v.3,(symp.1/2,5/17):39-40. 1960,pub.1962. 422 C76

14525 HOLLOWAY, B. A. A new species of Lissotes Westwood from New Zealand, and a description of the female of L. oconnori Holloway (Coleoptera: Lucanidae). Roy. Soc. New Zeal. Trans. Zool. 3(7):77-80. Feb.6,1963. 514 W46Tz
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Mortality and sterilization.

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Includes life history, mortality, and habits.

14531 KAKULIYA, G. A. New nematode, Parasitorhabditis ali Kakulia, from Blastophagus minor Hart. (Rus) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 30(1):55-58. Jan.1963. 511 Ak146
Ipidae.,

14532 KASZAB, Z. Data on the knowledge of Chrysomelidae fauna of the Carpathian Basin including description of new forms. (Ge) Rov. Kozlem. (n.s.)15(1/13):25-93. 1962. 420 So12
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From overwintering state.

14534 KISSINGER, D. G. The proventricular armature of Curculionidae (Coleoptera). Ent. Soc. Amer. Ann. 56(6):769-771. Nov.1963. 420 En82

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Anobiidae.

14542 LEKANDER, B. Xyleborus cryptographus Ratzb. (Col. Ipidae); a contribution to the knowledge of its distribution and biology. (Ge) Ent. Tidskr. 84(1/2):96-109,map. Ref. 1963. 421 En891

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Lepidoptera

SEE ALSO Sericulture and the Silkworm.

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Readers are therefore warned that these numbers in the Personal name index may refer to citations in either the March or April issues.

In the Subject and Organizational Indexes, the numbers 26743--27642 refer to citations in the March issue, and the numbers 26743a--27642a to numbers in the April issue. (December issue.)

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Vol. 28 April 1964 No. 4

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Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science
Soils and Fertilizers
Forestry
Animal Industry
Entomology
Agricultural Engineering
Agricultural Products
Agricultural Economics and Rural Sociology
Food and Human Nutrition
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials
Translations
USDA Publications
State Agricultural Experiment Station Publications
State Agricultural Extension Service Publications
Food and Agriculture Organization of the UN (FAO) Publications

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List of species.

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Sphingidae.

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Introduction of Euphydryas aurinia, including rearing.

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English summary.

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Survived three weeks in killing bottle.

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Twenty-third annual report.

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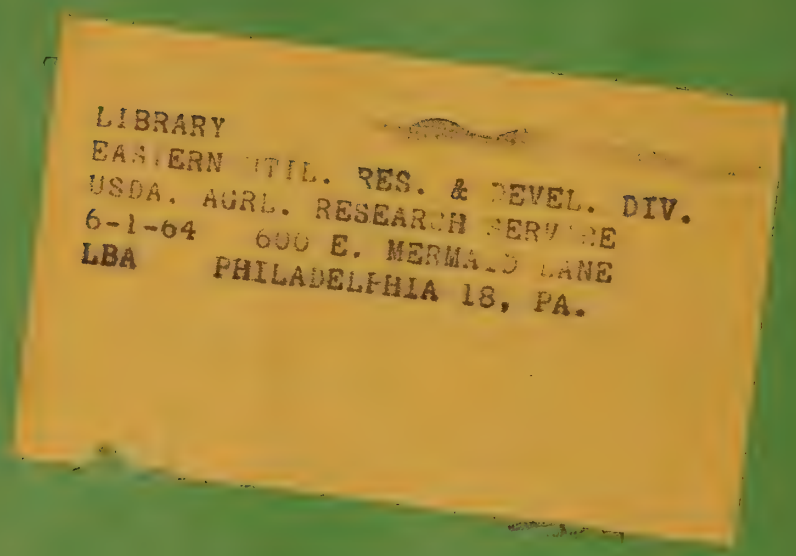
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